

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10552962"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/14 14:21
S3	12	"5327603"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/14 15:23
S4	2	"7331202"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/14 15:24
S6	6	"7415848"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/14 15:26
S8	4	"5865046"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/14 15:29
S9	2	"7392672"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/14 15:30
S10	529	drum near4 type wash\$3 near8 machine pulsator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/14 15:31

## EAST Search History (Prior Art)

S11	14	"6176108"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 06:24
S12	3	"2002315985"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 06:28
S13	2	"5865047"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 06:31
S14	9	"1386995"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 06:32
S15	4	"7296444"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 06:52
S16	4	S15 and drum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 06:53
S19	3	S15 and clutch	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 07:11

## EAST Search History (Prior Art)

S22	3	"20050011235"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 07:45
S23	3	"20020100298"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 07:45
S24	5	"5727404"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 07:46
S25	25	(US-20050011235-\$ or US-20020100298-\$). did. or (US-7254965-\$ or US-7082792-\$ or US-7089769-\$ or US-6901778-\$ or US-7086254-\$ or US-6176108-\$ or US-7028512-\$ or US-7171715-\$ or US-5865047-\$ or US-7296444-\$ or US-7493784-\$ or US-7624601-\$ or US-7415848-\$ or US-7331202-\$ or US-5327603-\$ or US-7661202-\$ or US-5921114-\$ or US-5727404-\$ or US-5916275-\$ or US-5865046-\$ or US-7392672-\$).did. or (EP-1386995-\$).did. or (JP-2002315985-\$).did.	US-PGPUB; USPAT; EPO; JPO	AND	ON	2010/05/15 07:48
S28	5	S25 and brak\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 07:50
S29	1	S25 and brak\$3 near11 pulsator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 08:09

## EAST Search History (Prior Art)

S30	11	S25 and bearing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 08:11
S31	529	drum near4 type wash\$3 near8 machine pulsator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 08:17
S32	10	S31 and brak\$3 near11 pulsator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 08:17
S33	8	"4691538"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 08:27
S34	4	"4724688"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 08:27
S35	7	"5012658"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 08:27
S36	19	"5074131"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 08:27

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S37	3	S36 and brak\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 08:29
S38	218	wash\$3 near8 machine pulsator near11 (brak\$3 or stop\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 08:30
S39	3	wash\$3 near8 machine pulsator near11 (brak\$3 or stop\$4) near11 pulley	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/15 08:31
S41	3	"20030110816"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 11:45
S42	3	S41 and bearing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 11:48
S46	25	(US-20050011235-\$ or US-20020100298-\$). did. or (US-7254965-\$ or US-7082792-\$ or US-7089769-\$ or US-6901778-\$ or US-7086254-\$ or US-6176108-\$ or US-7028512-\$ or US-7171715-\$ or US-5865047-\$ or US-7296444-\$ or US-7493784-\$ or US-7624601-\$ or US-7415848-\$ or US-7331202-\$ or US-5327603-\$ or US-7661202-\$ or US-5921114-\$ or US-5727404-\$ or US-5916275-\$ or US-5865046-\$ or US-7392672-\$).did. or (EP-1386995-\$).did. or (JP-2002315985-\$).did.	US-PGPUB; USPAT; EPO; JPO	AND	ON	2010/05/17 12:25

## EAST Search History (Prior Art)

S49	420	wash\$3 near4 machine seal near12 spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 12:28
S50	81	wash\$3 near4 machine seal near12 spring seal near12 bearing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 12:28
S51	74	wash\$3 near4 machine seal near12 spring seal near12 bearing (seal or bearing) near12 shaft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 12:29
S52	3	S46 and bushing near12 rotor	US-PGPUB; USPAT; EPO; JPO	AND	ON	2010/05/17 13:20
S53	2	"20030131636"	US-PGPUB; USPAT; EPO; JPO	AND	ON	2010/05/17 14:22
S54	2	S53 and spline	US-PGPUB; USPAT; EPO; JPO	AND	ON	2010/05/17 14:46
S56	22	wash\$3 near4 machine rotor near5 bushing near12 plastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 14:48
S57	174	wash\$3 near4 machine spider near7 drum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 15:02
S58	2	wash\$3 near4 machine spider near7 drum near8 flange	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 15:02

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S59	86	wash\$3 near4 machine spider near3 drum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 15:03
S60	38	wash\$3 near4 machine spider near3 drum near6 rear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 15:04
S61	23	wash\$3 near4 machine spider near3 drum near6 rear near4 wall	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 15:04
S62	3	"20030006665"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 15:05
S63	2	S62 and spider	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 15:05
S64	9	"1386995"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 15:07
S65	3	"20030131636"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 15:07

## EAST Search History (Prior Art)

S66	3	"20040163428"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 15:08
S68	2	S66 and bldc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 15:21
S70	4	wash\$3 near4 machine shaft near5 chrome	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 15:28
S71	67	wash\$3 near4 machine shaft near5 stainless	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/17 15:29
S72	8	wash\$3 near4 machine auto-balancer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/18 11:52
S73	821	wash\$3 near4 machine balancer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/18 11:56
S74	11	wash\$3 near4 machine balancer near6 auto	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/18 11:56



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S75	185	wash\$3 near4 machine balancer drum near4 type	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/18 11:57
S76	2	"20030046962"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/18 12:06
S77	61	wash\$3 near4 machine pulsator brake pulley	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/18 14:06
S78	9	wash\$3 near4 machine pulsator brak\$3 near9 pulley	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/18 14:15
S79	64	wash\$3 near4 machine pulsator near11 brak\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/18 14:44
S80	14	wash\$3 near4 machine pulsator near11 brak\$3 pulley	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/18 14:45

## EAST Search History (Prior Art)

S81	30	(US-20050011235-\$ or US-20020100298-\$ or US-20040163428-\$ or US-20030046962-\$).did. or (US-7254965-\$ or US-7082792-\$ or US-7089769-\$ or US-6901778-\$ or US-7086254-\$ or US-6176108-\$ or US-7028512-\$ or US-7171715-\$ or US-5865047-\$ or US-7296444-\$ or US-7493784-\$ or US-7624601-\$ or US-7415848-\$ or US-7331202-\$ or US-5327603-\$ or US-7661202-\$ or US-5921114-\$ or US-5727404-\$ or US-5916275-\$ or US-5865046-\$ or US-7392672-\$ or US-7131648-\$ or US-6685428-\$ or US-6951121-\$).did. or (EP-1386995-\$).did. or (JP-2002315985-\$).did.	US-PGPUB; USPAT; EPO; JPO	AND	ON	2010/05/18 14:51
S82	7	S81 and brak\$3	US-PGPUB; USPAT; EPO; JPO	AND	ON	2010/05/18 14:51
S84	5726	(68/3R,12.06,12.24,23.1,23.2,23.7,23R,24,140,).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/18 16:05
S85	2076	(8/158,159).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/18 16:06
S86	158	(S84 or S85) and spline	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/18 16:06
S87	204	(S84 or S85) and spider	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/18 16:06
S88	41	(S84 or S85) and pulley near8 pulsator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/18 16:07

## EAST Search History (Prior Art)

S89	12	(S84 or S85) and pulsator near5 brak\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/05/18 16:07
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